

Postdoctoral Researcher, Gillis Lab, University of Guelph

A two-year postdoctoral position in the field of comparative cardiovascular physiology is available in the [Gillis Lab](#) at the University of Guelph in Guelph, Ontario, Canada. The general focus of the lab is the cellular and molecular mechanisms that enable cardiac function under challenging environmental conditions. The successful applicant will work independently on an original research project designed in consultation with Dr. Gillis. Potential areas include cardiac function in hagfish during anoxia exposure, and temperature induced cardiac remodeling in fish. The Gillis Lab, comprised of Undergraduate, Graduate and Postdoctoral Researchers, utilizes a variety of complementary approaches to study physiological systems. These include analyses of swimming performance, assays of muscle/heart contractile function, cell signalling in cultured cells, genomic and proteomic tools, functional measurements of recombinant proteins and a variety of histological techniques. Please see [recent publications](#) from the Gillis Lab for further details.

At the University of Guelph, the Gillis Lab is a member of the [Comparative Physiology Group](#), as well as the [Center for Cardiovascular Investigations](#) and has onsite access to a [state of the art aquatic research facility](#) with the capacity to house both freshwater and marine organisms. Collaboration within the lab and between members of these research groups is encouraged and allow trainees to work in a highly productive environment with significant technical resources. The successful applicant will have the opportunity to mentor students and will take a leadership role in the lab.

The successful applicant will be a highly motivated individual with a PhD in a relevant field such as animal physiology, biochemistry, or genomics/proteomics; a strong record of publication in recognized peer reviewed journals; and a genuine interest in comparative physiology.

Applications consisting of a cover letter, CV, and the names of three referees should be forwarded to Dr. Gillis at tgillis@uoguelph.ca as a single PDF document. Review of applications will begin April 2nd 2018, and will continue until the position is filled.